

~~4~~ 25. The method of claim ~~23~~, wherein the selected gene encodes a therapeutic protein useful for treating a blood disorder.

~~5~~ 26. The method of claim ~~25~~, wherein the therapeutic protein is erythropoietin.

~~6~~ 27. The method of claim ~~25~~, wherein the blood disorder is hemophilia.

~~7~~ 28. The method of claim ~~23~~ wherein said ~~protein is secreted~~. ^{gene encodes a secreted protein}

~~8~~ 29. A method of expressing a therapeutically effective amount of a protein in a mammalian subject, said method comprising:

administering into the bloodstream of said subject a pharmaceutical composition which comprises (a) a pharmaceutically acceptable excipient; and (b) recombinant AAV virions comprising a selected gene operably linked to expression control elements that provide for transcription and translation of the selected gene in a desired host cell *in vivo*, whereby said virions transduce cells in said subject, and said selected gene is expressed by the transduced cells at a level which provides for a therapeutic effect in said subject.

~~9~~ 30. The method of claim ~~29~~, wherein the pharmaceutical composition is delivered intraarterially.

~~10~~ 31. The method of claim ~~29~~, wherein the selected gene encodes a therapeutic protein useful for treating a blood disorder.

~~11~~ 32. The method of claim ~~31~~, wherein the therapeutic protein is erythropoietin.